



Rebuild Michigan Energy Services

2003 – 2004 RMES Client Implementations Summary

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Rebuild Michigan Client Projects

- 20 Implementation Report visits
- \$24,000,000+ reported investments
- \$3,000,000+ reported energy savings



Measures Implemented

- Mechanical
 - New heating, cooling and water heating systems
 - HVAC controls upgrades
 - Variable Frequency Drives
 - Steam pipe insulation
 - Steam trap maintenance
 - Unit ventilator replacement
 - Automated preventative maintenance program



Measures Implemented

- Electrical
 - Lighting upgrades interior, exterior, sports lighting
 - Occupancy sensors
 - Pumping system timers
 - Plug in load reduction
 - Backup generation



Measures Implemented

- Building
 - Building envelope insulation
 - Window area reduction / insulation
 - Exterior door replacement
 - Entire building replacement Ionia PS replaced 4 with 1



Measures Implemented

- Water
 - Low flow showerheads
 - Faucet Moderators
 - Low flush toilets and urinals



Funding Sources

- Bond issues
 - Adrian Public Schools TEA led to \$1.1M in projects
- Performance Contracts
 - City of Taylor did \$6.4M project (including finance costs) with \$2.35M guaranteed savings
- · Capital Budgets
 - Many clients have implemented projects over time with available funds



Questions / Comments